

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004231**Date Inspected:** 07-Oct-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1430**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2030**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No			
<b>Inspected CWI report:</b>	Yes	No	N/A	<b>Rod Oven in Use:</b>	Yes	No	N/A
<b>Electrode to specification:</b>	Yes	No	N/A	<b>Weld Procedures Followed:</b>	Yes	No	N/A
<b>Qualified Welders:</b>	Yes	No	N/A	<b>Verified Joint Fit-up:</b>	Yes	No	N/A
<b>Approved Drawings:</b>	Yes	No	N/A	<b>Approved WPS:</b>	Yes	No	N/A
				<b>Delayed / Cancelled:</b>	Yes	No	N/A
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG/Tower				

**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Erik Prue was present to perform Ultrasonic Testing (UT) of Orthotropic Box Girder (OBG) components, for the San Francisco Oakland Bay Self Anchored Suspension Bridge, at Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

OBG Assembly Bay # 2: This Quality Assurance (QA) inspector arrived at ZPMC in Shanghai China for observation of Orthotropic Bridge Girders (OBG) and Self Anchored Suspension (SAS) Bridge. This QA inspector received notification from day shift task leader to perform conventional Ultrasonic (A scan) Inspection for tack welds on deck panels. The inspection is preliminary prior to using the phased array system to verify indications found with conventional Ultrasonic testing. This QA inspector performed UT on deck panel DP137-001, 4 ribs, 8 welds, 208 total tack welds. QA Inspector completed inspection on welds 1 through 4. Information on weld inspection was turned over to day shift to finish weld inspection for welds 5 through 8.

Tower Bay 1: QA Inspector performed random visual inspection of SSDI Skin "A" stiffener to skin plate welds between elevation 0 and 38 meters for green tag. QA Inspector identified seven areas that require rework/repair. The welds between elevation 38 meters and 48.6 meters will be inspected by the third shift QA Inspectors. ABF representative Mr. Don Walton informed the QA Inspector that several of the weld relief areas at approximately 30 meter elevation require welding that will take place tomorrow.

No other activities observed.

**Summary of Conversations:**

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# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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No significant conversations this day.



## Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Peter Dauterman, 15002199593, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Prue,Erik	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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